



U.S. Department
of Transportation

**Research and
Special Programs
Administration**

MAY 31 2000

400 Seventh Street, S.W.
Washington, D.C. 20590

DOT-E 8060
(FIFTH REVISION)

EXPIRATION DATE: MAY 1, 2002

(FOR RENEWAL, SEE 49 CFR SECTION 107.109)

1. GRANTEE: Arbel-Fauvet-Rail, Paris, France
(U.S. Agent: (Mary-Hoyt Joyce
Washington, DC)

(See Appendix A to this document for a list of additional grantees)

2. PURPOSE AND LIMITATION: This exemption authorizes the transportation in commerce of certain nonflammable and flammable, liquefied gases in non-DOT specification IMO 5 portable tanks. This exemption provides no relief from any Hazardous Materials Regulation (HMR) other than as specifically stated herein.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR 173.315(a).
5. BASIS: This exemption is based on the application of Arbel-Fauvet-Rail dated February 21, 1999, submitted in accordance with 49 CFR 107.109.
6. HAZARDOUS MATERIALS (49 § 172.101):

Hazardous materials description -- proper shipping name	Hazard Class/ Division	Identi- fication Number	Packing Group
Chlorodifluoromethane, R22	2.2	UN1018	N/A
Chloropentafluoroethane, R115	2.2	UN1020	N/A
Dichlorodifluoromethane, R12	2.2	UN1028	N/A

MAY 31 2000

Continuation of DOT-E 8060 (5th Rev.)

Page 2

Hazardous materials description -- proper shipping name	Hazard Class/ Division	Identi- fication Number	Packing Group
Chlorodifluoromethane and chloropentafluoroethane mixture with fixed boiling point with, approximately 49 percent Chlorodifluoromethane, R502	2.2	UN1973	N/A
Chlorodifluorobromomethane, R12B1	2.2	UN1974	N/A
1-Chloro-1, 1-difluoroethanes, R142b	2.1	UN2517	N/A
1,1,1,2-Tetrafluoroethane, R134a	2.2	UN3159	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Packaging prescribed is a non-DOT specification portable tank, mounted in ISO frame, designed and constructed in accordance with Fauvet-Rail drawing CO165607 Revision zero dated May 18, 1978, technical specifications and calculations on file with the OHMEA, and in compliance with the following:

(1) Code--Complies with ASME Section VIII except not certified.

(2) Insulation - None.

(3) Water Capacity (U.S. Gallons) - 4,240.

(4) Material - Carbon Manganese steel.
Minimum tensile strength 82,380 psi.
(similar to ASME SA 537 Grade A)

(5) Tank Size (inches) -
(outside dia.) X (length) X (thickness)
78.7 225 .650

Head Thickness - .710

Weld Joint Efficiency - 100% full radiography of
all pressure welds. Tank is stress relieved after
welding.

MAY 31 2000

- (6) Design Pressure (PSIG) - 338.
Note: Design pressure means "maximum allowable working pressure (MAWP)" as used in the ASME Code:
- (7) Test Pressure, Minimum (PSIG) - 507.
- (8) Openings - One 18-inch manhole top.
One 6-inch end opening, for inspection.
Two 4-inch bottom outlets with quick closing valves.
- (9) Tank surface area (square feet) - 410.
- (10) Pressure Relief Devices - Two 2 1/2-inch spring loaded set to relieve at 338 psi and having total combined venting capacity of 1,108,500 SCFH.
- (11) G-Loadings: Vertical down 2; Vertical up 1; Longitudinal 2; and Transverse 1.
- (12) Maximum Gross Weight - 52,910 pounds.
- (13) Each internal shut off valve must be provided with remote control means of closure both mechanical and thermal. Fusible elements: not have a melting point exceeding 250°F.

b. TESTING - Each tank must be (i) visually inspected prior to each trip to insure that it has not been damaged on the previous trip; and (ii) be retested and reinspected in accordance with the provisions of § 173.32b except the use of an approval agency is not required.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this exemption who receives a package covered by this exemption may reoffer it for transportation provided no modifications or changes are made to the package and it is reoffered for transportation in conformance with this exemption and the HMR.

b. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.

MAY 31 2000

Continuation of DOT-E 8060 (5th Rev.)

Page 4

c. Each portable tank must be plainly marked on both sides near the middle, in letters at least two inches high on a contrasting background, "DOT-E 8060."

d. Hydrostatic test certificates for each tank must be maintained by the owner or manufacturer at its principal business office and be made available to any representative of the DOT upon request.

e. No product may be shipped that has venting requirements exceeding 1,108,500 SCFH. The venting capacity required for each product must be determined by the flow formulas contained in Compressed Gas Association (CGA) pamphlet S-1.2.

f. A test report documenting a satisfactory ISO prototype frame test for this tank design must be on file with the OHMEA prior to the first shipment.

g. The tank must be filled in accordance with the provisions of § 173.315.

h. Portable tanks may not be transported in container-on-flat car (COFC) or trailer-on-flat car (TOFC) service except under conditions approved by the Associate Administrator for Safety, Federal Railroad Administration.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, and cargo vessel.

10. MODAL REQUIREMENTS:

A current copy of this exemption must be carried aboard each cargo vessel and motor vehicle used to transport packages covered by this exemption.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.

- o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by 49 §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.

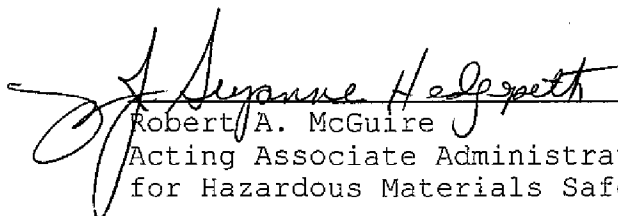
12. REPORTING REQUIREMENTS:

a. The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incident involving the package and shipments made under the terms of this exemption.

b. The holder of this exemption, as identified in paragraph 1 above, shall contact the OHMEA immediately after any of the tanks covered by this exemption are sold to another party.

c. Shippers who ship under the terms of this exemption shall report any incident involving loss of contents or tank failure to the Associate Administrator for Hazardous Materials Safety as soon as practicable.

Issued at Washington, D.C.:


Robert A. McGuire
Acting Associate Administrator
for Hazardous Materials Safety

MAY 31 2000

(DATE)

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590.
Attention: DHM-31.

MAY 31 2000

Continuation of DOT-E 8060 (5th Rev.)

Page 6

The original of this exemption is on file at the above office. Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

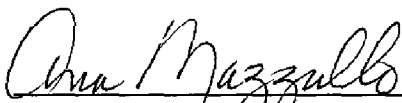
Copies of exemptions may be obtained from the AAHMS, U.S. Department of Transportation, 400 7th Street, S.W., Washington, DC 20590-0001, Attention: Records Center, 202-366-5046.

PO: sdc

APPENDIX A

The following are hereby granted party status to this exemption based on their application(s) submitted in accordance with 49 CFR 107.107 and the public proceeding thereon or 107.109, as appropriate:

Company Name City/State	Application Date	Issue Date	Expiration Date
Compagnie Des Containers Reservoirs, Paris, France, formerly Ermetainer SA Geneva, Switzerland (U.S. Agent: ERMEWA, Inc., Houston, Texas)	2/24/99	5/31/00	5/1/02
Parlefer/SNWR S.A.R.L. Paris, France (U.S. Agent: Michel L. Morin, Montclair, NJ)	2/5/01	FEB 21 2001	5/1/02



for Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety